

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,067
Source: IFWP
Date Processed by STIC: 8/8/06

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IFWP

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/588,067

TIME: 09:28:52

Input Set : A:\004974.01209 sequence listing.txt

Output Set: N:\CRF4\08082006\J588067.raw

3 <110> APPLICANT: Bayer HealthCare AG
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with Plasma
 6 Glutamate Carboxypeptidase (PGCP)
 8 <130> FILE REFERENCE: 004974.01209
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,067
 C--> 10 <141> CURRENT FILING DATE: 2006-08-02
 10 <160> NUMBER OF SEQ ID NOS: 5
 12 <170> SOFTWARE: PatentIn version 3.2
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 1901
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1

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22	ccgccctatc	agattatctt	aacaagaaaa	ccaactggaa	aaaaaaatga	aattccttat	180
23	cttcgcattt	ttcgggtgtg	ttcacctttt	atccctgtgc	tctgggaaag	ctatatgcaa	240
24	gaatggcatc	tctaagagga	cttttgaaga	aataaaagaa	gaaatagcca	gctgtggaga	300
25	tgttgctaaa	gcaatcatca	acctagctgt	ttatggtaaa	gcccagaaca	gacacctatga	360
26	gcgattggca	cttctgggtg	atactgttgg	acccagactg	agtgggtcca	agaacctaga	420
27	aaaagccatc	caaattatgt	acaaaaacct	gcagcaagat	gggctggaga	aagttcacct	480
28	ggagccagt	agaatacccc	actgggagag	gggagaagaa	tcagctgtga	tgctggagcc	540
29	aagaattcat	aagatagcca	tcctgggtct	tggcagcagc	attgggactc	ctccagaagg	600
30	cattacagca	gaagttcttg	tgggtgacctc	tttcgatgaa	ctgcagagaa	gggcctcaga	660
31	agcaagaggg	aagattgttg	tttataacca	accttacatc	aactactcaa	ggacggtgca	720
32	ataccgaacg	cagggggcgg	tggaagctgc	caagggttgg	gctttggcat	ctctcattcg	780
33	atccgtggcc	tccttctcca	tctacagtcc	tcacacaggt	attcaggaat	accaggatgg	840
34	cgtgcccaag	attccaacag	cctgtattac	ggtggaagat	gcagaaatga	tgtcaagaat	900
35	ggctttctcat	gggatcaaaa	ttgtcattca	gctaaagatg	ggggcaaaga	cctaccaga	960
36	tactgattcc	ttcaacactg	tagcagagat	cactgggagc	aaatatccag	aacaggttgt	1020
37	actggtcagt	ggacatctgg	acagctggga	tgttgggcag	ggtgccatgg	atgatggcgg	1080
38	tggagccctt	atatcatggg	aagcactctc	acttattaaa	gatcttgggc	tgcttccaaa	1140
39	gaggactctg	cggctgggtg	tctggactgc	agaagaacaa	ggtggagtgt	gtgccttcca	1200
40	gtattatcag	ttacacaagg	taaatatttc	caactacagt	ctggtgatgg	agtctgacgc	1260
41	aggaaccttc	ttaccactg	ggctgcaatt	cactggcagt	gaaaaggcca	gggcatcat	1320
42	ggaggagggt	atgagcctgc	tgcagccctt	caatatcact	caggtcctga	gccatggaga	1380
43	agggacagac	atcaactttt	ggatccaagc	tggagtgcct	ggagccagtc	tacttgatga	1440
44	cttatacaag	tattttcttct	tccatcactc	ccacggagac	accatgactg	tcatggatcc	1500
45	aaagcagatg	aatgttgctg	ctgctgtttg	ggctgttgtt	tcttatgttg	ttgcagacat	1560
46	ggaagaaatg	ctgcctaggt	cctagaaaca	gtaagaaaga	aacgttttca	tgcttctggc	1620
47	caggaatcct	gggtctgcaa	ctttggaaaa	ctcctcttca	cataacaatt	tcatccaatt	1680
48	catcttcaaa	gcacaactct	atttcatgct	ttctgttatt	atctttcttg	atactttcca	1740
49	aattctctga	ttctagaaaa	aggaatcatt	ctccctccc	tcccaccaca	tagaatcaac	1800

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50 atatggtagg gattacagtg ggggcatttc tttatatcac ctcttaaaaa cattgtttcc 1860
51 actttaaaag taaacactta ataaattttt ggaagaacaa a 1901
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 472
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 2
59 Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
60 1 5 10 15
61 Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
62 20 25 30
63 Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
64 35 40 45
65 Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
66 50 55 60
67 Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
68 65 70 75 80
69 Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Gln
70 85 90 95
71 Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
72 100 105 110
73 Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
74 115 120 125
75 Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
76 130 135 140
77 Gly Ile Thr Ala Glu Val Leu Val Val Thr Ser Phe Asp Glu Leu Gln
78 145 150 155 160
79 Arg Arg Ala Ser Glu Ala Arg Gly Lys Ile Val Val Tyr Asn Gln Pro
80 165 170 175
81 Tyr Ile Asn Tyr Ser Arg Thr Val Gln Tyr Arg Thr Gln Gly Ala Val
82 180 185 190
83 Glu Ala Ala Lys Val Gly Ala Leu Ala Ser Leu Ile Arg Ser Val Ala
84 195 200 205
85 Ser Phe Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp
86 210 215 220
87 Gly Val Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu
88 225 230 235 240
89 Met Met Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu
90 245 250 255
91 Lys Met Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val
92 260 265 270
93 Ala Glu Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser
94 275 280 285
95 Gly His Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly
96 290 295 300
97 Gly Gly Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu
98 305 310 315 320
99 Gly Leu Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu
100 325 330 335

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101 Glu Gln Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val
102           340           345           350
103 Asn Ile Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe
104           355           360           365
105 Leu Pro Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ile
106           370           375           380
107 Met Glu Glu Val Met Ser Leu Leu Gln Pro Leu Asn Ile Thr Gln Val
108 385           390           395           400
109 Leu Ser His Gly Glu Gly Thr Asp Ile Asn Phe Trp Ile Gln Ala Gly
110           405           410           415
111 Val Pro Gly Ala Ser Leu Leu Asp Asp Leu Tyr Lys Tyr Phe Phe Phe
112           420           425           430
113 His His Ser His Gly Asp Thr Met Thr Val Met Asp Pro Lys Gln Met
114           435           440           445
115 Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
116           450           455           460
117 Met Glu Glu Met Leu Pro Arg Ser
118 465           470

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120 <210> SEQ ID NO: 3

121 <211> LENGTH: 20

122 <212> TYPE: DNA

123 <213> ORGANISM: artificial sequence

125 <220> FEATURE:

126 <223> OTHER INFORMATION: forward primer

128 <400> SEQUENCE: 3

129 atgaatgttg ctgctgctgt

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131 <210> SEQ ID NO: 4

132 <211> LENGTH: 20

133 <212> TYPE: DNA

134 <213> ORGANISM: artificial sequence

136 <220> FEATURE:

137 <223> OTHER INFORMATION: reverse primer

139 <400> SEQUENCE: 4

140 aggcagcatt tcttccatgt

20

142 <210> SEQ ID NO: 5

143 <211> LENGTH: 27

144 <212> TYPE: DNA

145 <213> ORGANISM: artificial sequence

147 <220> FEATURE:

148 <223> OTHER INFORMATION: probe

150 <400> SEQUENCE: 5

151 tgggctgttg tttcttatgt tggttgca

27

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date